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Corbatiba	ite for form 1449A/	B/RTO		Complete if Known		
Substitu	16 101 101111 1449VA	B/FIO		Application Number	10/729,357-Conf. #8259	
INF	ORMATI	ON DISC	LOSURE	Filing Date	December 5, 2003	
			PLICANT	First Named Inventor	John L. Klocke	
0.,				Art Unit	1745	
	(Use as man	y sheets as nec	essary)	Examiner Name	H. D. Wilkins	
Sheet	1	of	11	Attorney Docket Number	291958238US	

			U.S. PA	TENT DOCUMENTS	
Examin er Initials*	Cite No.1	Document Number Number-Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HW	AA*	US-08/940,524	09-30-1997	BLECK ET AL.	
14/1	AB*	US-09/114,105		WOODRUFF ET AL.	
+	AC*	US-09/679,928		WOODRUFF ET AL.	
\vdash	AD*	US-1,526,644	02-17-1925		
	AE*	US-1,881,713	10-11-1932		
-	AF*	US-10/729,349	12-05-2003		
+	AG*	US-2,256,274		BOEDECKER ET AL.	
	AH*	US-2002-0008036	01-24-2002		
+	Al*	US-2002-0032499		GREGORY WILSON	
\dashv	AJ*	US-2002-0125141	09-12-2002	GREGORY WILSON	
\neg	AK*	US-2002-0139678		GREGORY WILSON	
	AL*	US-2003-0038035		GREGORY WILSON	
\top	AM*	US-2003-0062258		DANIEL WOODRUFF	
	AN*	US-2003-0070918		KYLE HANSON	•
_	AO*	US-2003-0127337		KAYLE HANSON	
+	AP*	US-2004-0031693		LINLIN CHEN	
	AQ*	US-2004-0055877	03-25-2004	GREGORY WILSON	
_	AR*	US-2004-0099533		GREGORY WILSON	
	AS*	US-2004-0188259		GREGORY WILSON	
	AT*	US-2005-0087439-A1		HANSON ET AL.	
十	AU*	US-3,309,263		GROBE	
	AV*	US-3,616,284		BODMER ET AL.	
一	AW*	US-3,664,933	05-23-1972		
	AX*	US-3,706,635		KOWALSKI	
\dashv	AY*	US-3,706,651	12-30-1970		
\dashv	AZ*	US-3,716,462	02-13-1973		
	AA1*	US-3,798,003		ENSLEY ET AL:	
\dashv	AB1*	US-3,798,033	03-19-1974		
	AC1*	US-3,878,066		DETTKE ET AL.	
_	AD1*	US-3,930,963		POLICHETTE ET AL.	
+	AE1*	US-3,968,885		HASSAN ET AL.	
_	AF1*	ÚS-4,000,046	12-28-1976		
十	AG1*	US-4,022,679		KOZIOL ET AL.	
\top	AH1*	US-4,030,015		HERKO ET AL.	
	Al1*	US-4.046,105		GOMEZ	
	AJ1*	US-4,072,557	02-07-1978		
1	AK1*	US-4,082,638	04-04-1978		
	AL1°	US-4,113,577		ROSS ET AL.	
77	AM1°	US-4,134,802	01-16-1976	HERR	
-	AN1*	US-4,137,867	02-06-1979		
HW	A01*	US-4,165,252	08-21-1979		

Examiner	Date	
Signature	Considered	

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Substitute	o for form 1449A/	R/PTO		Complete if Known		
Substitute	7 (01 10)(11 144274	D// 10	•	Application Number	10/729,357-Conf. #8259	
INFO	DRMATI	ON DIS	CLOSURE	Filing Date	December 5, 2003	
STA	TEMEN	T BY A	PPLICANT	First Named Inventor	John L. Klocke	
• • • • • • • • • • • • • • • • • • • •				Art Unit	1745	
	(Use as many sheets as necessary)			Examiner Name	H. D. Wilkins	
Sheet	2	of	11	Attorney Docket Number	291958238US	

THW	7 1	AP1*	US-4.170.959	10-16-1979	AIGO
H			US-4,222,834		BACON ET AL.
Н			US-4,238,310		ECKLER ET AL.
\vdash		AS1*	US-4,246,088		MURPHY ET AL.
H			US-4,259,166		WHITEHURST
H	_	AU1*	US-4,287,029		KOUICHI SHIMAMURA
\vdash			US-4,304,641		GRANDIA ET AL.
⊢	_		US-4,323,433		DAVID M. LOCH
\vdash			US-4,341,629		UHLINGER
H	_		US-4,360,410		FLETCHER ET AL.
H			US-4,378,283		MICHAEL SEYFFERT
H	_		US-4,384,930	05-24-1983	
\vdash			US-4,391,694		BENGT W. RUNSTEN
\vdash			US-4,422,915		WIELONSKI ET AL.
H			US-4,431,361	02-14-1984	
H	_		US-4,437,943	02-14-1904	ALEXANDER F. BECK
\vdash	_	AF2*	US-4,437,543 US-4,440,597		WELLS ET AL.
\vdash			US-4,443,117		MURAMOTO ET AL.
\vdash	$\overline{}$	AG2 AH2*	US-4,443,117 US-4,449,885		RICHARD J. HERTEL
H			US-4,449,665 US-4,451,197	05-22-1984	
\vdash			US-4,463,503	09 07 1094	ROBERT D. APPLEGATE
⊢			US-4,466,864		DUANE E. BACON
\vdash			US-4,469,564		OKINAKA ET AL.
\vdash	_		US-4,469,566	09-04-1984	
\vdash			US-4,475,823	10-09-1984	
\vdash			US-4,480,028		KATO ET AL.
┢			US-4,485,153		MINORU MIDORIKAWA
ҥ			US-4,495,453		HAJIMU INABA
\vdash			US-4,500,394		JOHN S. RIZZO
⊢⊹			US-4,529,480	07-16-1985	
\vdash			US-4,541,895	09-17-1985	
\vdash			US-4,566,847	04 29 4096	TAKASHI MAEDA
┝			US-4,576,685		GOFFREDO ET AL.
⊢⊹			US-4,576,689		ALMAXUD M. MAKKAEV
⊢			US-4,585,539	04-29-1986	
╌			US-4,604,177		OLIVO G. SIVILOTTI
			US-4,604,177		DALE R. FIEGENER
\vdash			US-4,634,503		DANIEL NOGAVICH
$\vdash \vdash$			US-4,639,028	01-00-1987	
$\vdash \vdash$			US-4,648,944		GEORGE ET AL.
┢			US-4,648,944 US-4,670,126		MESSER ET AL.
┝╼╂╴			US-4,685,414	08-11-1987	
\ 			US-4,687,552		EARLY ET AL.
⊦₩			US-4,687,552 US-4.693.017		OEHLER ET AL.
HW			US-4,696,729	09-13-1987	
			US-4,030,729	U3-23-130/	
Exam					Date
Signa	ture	9 [Considered

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Cubatitus	te for form 1449A/	B/DTO		Complete if Known		
Subsulu	(6 101 101111 1449A	BIF 10		Application Number	10/729,357-Conf. #8259	
INF	ORMATI	ON DI	SCLOSURE	Filing Date	December 5, 2003	
STA	TEMEN	TBY	APPLICANT	First Named Inventor	John L. Klocke	
• • • • • • • • • • • • • • • • • • • •				Art Unit	1745	
	(Use as man	y sheets as	necessary)	Examiner Name	H. D. Wilkins	
Sheet	3	of	11	Attorney Docket Number	291958238US	

1	AJ3*	US-4,715,934 US-4,741,624		TAMMINEN
-		1 U O***, / ** 1 . U Z **	105-03-1988	BARROYER
	AK3*	US-4,760,671		WILLIAM R. WARD
	AL3*	US-4,761,214		EDMUND R. HINMAN
\neg	AM3*	US-4,770,590		HUGUES ET AL.
1		US-4,781,800		LEE M. GOLDMAN
	AO3*	US-4,800,818	01-31-1989	KAWAGUCHI ET AL.
+	AP3*	US-4,828,654		RONALD G. REED
	AQ3*	US-4,849,054	07-18-1989	
	AR3*	US-4,858,539		SCHUMANN
	AS3*	US-4,864,239		CASARCIA ET AL.
-	AT3*	US-4,868,992		CRAFTS ET AL.
		US-4,898,647		LUCE ET AL
	AV3*	US-4,902,398	02-20-1990	
	AW3*	US-4,906,341		KOJI YAMAKAWA
		US-4,913,035	08-02-1988	VOHRINGER ET AL.
	AY3*	US-4,924,890		GILES ET AL.
	AZ3*	US-4,944,650	07-31-1990	MATSUMOTO
	AA4*	US-4,949,671	08-21-1990	DAVIS ET AL.
\neg	AB4*	US-4,951,601	08-28-1990	MAYDAN ET AL.
		US-4,959,278	09-25-1990	HIDENORI SHIMAUCH
	AD4*	US-4,962,726	10-16-1990	MATSUSHITA ET AL.
	AE4*	US-4,979,464		KUNZE-CONCEWITZ ET AL.
	AF4*	US-4,988,533		FREEMAN ET AL.
	AG4*	US-5,000,827	03-19-1991	VIRGIL E. SCHUSTER
	AH4*	US-5,024,746	06-18-1991	STIERMAN ET AL.
	AI4*	US-5,026,239	06-25-1991	
	AJ4*	US-5,048,589		COOK ET AL.
	AK4*	US-5,054,988	10-08-1991	SHIRAIWA
	AL4*	US-5,055,036		ASANO ET AL.
		US-5,061,144	10-29-1991	MASAMI AKIMOTO
	AN4*	US-5,069,548		BOEHNLEIN
		US-5,078,852	01-07-1992	IAN Y.K. YEE
		US-5,083,364		OLBRICH ET AL.
	AQ4*	US-5,096,550		STEVEN T. MAYER
		US-5,110,248		ASANO ET AL.
		US-5,115,430		ELLEN L. HAHNE
		US-5,125,784	06-30-1992	
		US-5,128,912		HUG ET AL.
		US-5,135,636		YEE ET AL.
		US-5,138,973		DAVIS ET AL.
		US-5,146,136		TOSHIO OGURA
		US-5,151,168		TERRY L. GILTON
		US-5,155,336		GRONET ET AL.
HW	AA5*	US-5,156,174	10-20-1992	RAYMON F. THOMPSON
xamine	er			. Date
Signatur	е			Considered

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Cubatitus	e for form 1449A	R/RTO	<u> </u>	Complete if Known		
Substitut	8 101 101111 144870	B/FIO		Application Number	10/729,357-Conf. #8259	
INF	ORMATI	ON DISC	CLOSURE	Filing Date	December 5, 2003	
			PLICANT	First Named Inventor	John L. Klocke	
• • • • • • • • • • • • • • • • • • • •				Art Unit	1745	
	(Use as man	y sheets as ne	cessary)	Examiner Name	H. D. Wilkins	
Sheet	4	of	11	Attorney Docket Number	291958238US	

HW	AB5*	US-5,156,730	10-20-1992	ANILKUMAR C. BHATT	
*	AC5*	US-5,168,886		THOMPSON ET AL.	
- 	AD5*	US-5,168,887		RAYMON F. THOMPSON	
_	AE5*	US-5,169,408		BIGGERSTAFF ET AL.	
	AF5*	US-5,172,803	12-22-1992		
	AG5*	US-5,174,045		THOMPSON ET AL.	
_	AH5*	US-5,178,512	01-12-1993		
_	AI5*	US-5,178,639	01-12-1993		
_	AJ5*	US-5,180,273		SALAYA ET AL.	
-	AK5*	US-5,183,377		BECKER ET AL.	
	AL5*	US-5,186,594	02-16-1993	TOSHIMA ET AL.	
-	AM5*	US-5,209,817		UMAR M. AHMAD	
	AN5*	US-5,217,586		MADHAV DATTA	
	A05*	US-5,222,310		RAYMON F. THOMPSON	
\neg	AP5*	US-5,227,041		BRUCE N. BROGDEN	
_	AQ5*	US-5,228,232		RODNEY MILES	
\top	AR5*	US-5,228,966		SATOSHI MURATA	
_	AS5*	US-5,230,371	07-27-1993		
	AT5*	US-5,232,511	08-03-1993	BERGMAN	
╅	AU5*	US-5,235,995		BERGMAN ET AL.	
┪	AV5*	US-5,238,500	08-24-1993		
		US-5,252,137		TATEYAMA ET AL.	•
	AX5*	US-5,252,807	10-12-1993		
	AY5*	US-5,256,262	10-26-1993	BLOMSTERBERG	
	AZ5*	US-5,256,274	10-26-1993	JAIME PORIS	
	AA6*	US-5,271,953	12-21-1993	LITTERAL	
1	AB6*	US-5,271,972	12-21-1993	KWOK ET AL.	
	AC6*	US-5,301,700		KAMIKAWA ET AL.	
	AD6*	US-5,302,464		TAKUJI NOMURA	
	AE6*	US-5,306,895		USHİKOSHI ET AL.	
	AF6*	US-5,314,294		TAKAO TANIGUCHI	
	AG6*	US-5,316,642	05-31-1994	DAVID J. YOUNG	
	AH6*	US-5,326,455	07-05-1994	KUBO ET AL.	
	Al6*	US-5,330,604		ALLUM ET AL.	
	AJ6*	US-5,332,271	07-26-1994	GRANT ET AL.	
	AK6*	US-5,332,445	07-26-1994	BERGMAN	
	AL6*	US-5,340,456	08-23-1994		
		US-5,344,491	09-06-1994	MARIKO KATOU	
	AN6*	US-5,348,620		HERMANS ET AL.	1
	AO6*	US-5,364,504		SMURKOSKI ET AL.	
	AP6*	US-5,366,785	11-22-1994		
\prod_{i}	AQ6*	US-5,366,786		CONNOR ET AL.	
V	AR6*	US-5,368,711	11-29-1994	JAIME PORIS	
	AS6*	US-5,372,848		KIM J. BLACKWELL	
	AT6*	US-5,376,176		ATSUSHI KURIYAMA	
xamin	er			Date	T
Signatu	-			Considered	
					

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Sub	estitute for form 1449A/B/PT	ro		Complete if Known	
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II.	IFORMATION	N DI	SCLOSURE	Filing Date	December 5, 2003
S	TATEMENT	BY A	APPLICANT	First Named Inventor	John L. Klocke
				Art Unit	1745
	(Use as many sheets as necessary)			Examiner Name	H. D. Wilkins
Sheet	5	of	11	Attorney Docket Number	291958238US

HW	AU6*	US-5,377,708	01-03-1995	ERIC J. BERGMAN	
***	AV6*	US-5,388,945	 	GARRIC ET AL.	
\vdash		US-5,391,285		WILLIAM H. LYTLE	
	AX6*	US-5,391,517		GELATOS ET AL.	
		US-5,405,518		HSIEH ET AL.	
		US-5,411,076		MATSUNAGA ET AL.	
		US-5,421,987		TZANAVARAS ET AL.	
	AB7*	US-5,427,674		LANGENSKIOLD ET AL.	
	AC7*	US-5,429,686		CHIU ET AL.	
	AD7*	US-5,429,733		HIROFUMI ISHIDA	
-	AE7*	US-5,431,803		DIFRANCO ET AL.	
		US-5,437,777		SHUJI KISHI	· · · · · · · · · · · · · · · · · · ·
		US-5,441,629	08-15-1995		
	AH7°	US-5,442,416		TATEYAMA ET AL.	
	AI7*	US-5,443,707	08-22-1995		
		US-5,445,484		KATO ET AL.	
1	AK7*	US-5,447,615	09-05-1995		
	AL7*	US-5,454,405	10-03-1995		
	AM7*	US-5,460,478		AKIMOTO ET AL.	
	AN7°	US-5,464,313	11-07-1995	OHSAWA	
	A07*	US-5,472,502	12-05-1995	WILLIAM T. BATCHELDER	
	AP7°	US-5,489,341		BERGMAN ET AL.	
	AQ7*	US-5,500,081	03-19-1996	BERGMAN	
	AR7*	US-5,501,768	03-26-1996	HERMANS ET AL.	
	AS7*	US-5,508,095	04-16-1996	ALLUM ET AL.	
	AT7*	US-5,512,319	04-30-1996	COOK ET AL.	
	AU7*	US-5,514,258	05-07-1996	BRINKET ET AL.	
	AV7°	US-5,516,412	02-06-1996	ANDRICACOS ET AL.	
		US-5,522,975	06-04-1996	ANDRICACOS ET AL.	
	AX7°	US-5,527,390	06-18-1996	ONO ET AL.	
	AY7*	US-5,544,421		THOMPSON ET AL.	
	AZ7*	US-5,549,808	08-27-1996	MUKTA S. FAROOQ	
	AA8*	US-5,567,267		KAZAMA ET AL.	
		US-5,571,325		TSUTOMU UEYAMA	
		US-5,575,611		THOMPSON ET AL.	
	AD8*	US-5,584,310		ERIC J. BERGMAN	
	AE8*	US-5,584,971	12-17-1996		
	AF8*	US-5,593,545		RUGOWSKI ET AL.	
		US-5,597,460		H. VINCENT REYNOLDS	
		US-5,597,836		HACKLER ET AL.	· · · · · · · · · · · · · · · · · · ·
	Al8*	US-5,600,532		MICHIYA ET AL.	
	AJ8*	US-5,609,239		SCHLECKER	
\mathbf{A}	AK8*	US-5,620,581	04-15-1997		
		US-5,639,206	06-17-1997		
HW	AM8*	US-5,639,316	06-17-1997	CYRIL CABRAL	

Examiner	Date
Signature	Considered

Cubalitud	te for form 1449A/	B/RTO		Complete if Known		
Subsului	te tot tottit 14487V	ыгто		Application Number	10/729,357-Conf. #8259	
INF	ORMATI	ON DISC	CLOSURE	Filing Date	December 5, 2003	
STATEMENT BY APPLICANT				First Named Inventor	John L. Klocke	
•				Art Unit	1745	
	(Use as many sheets as necessary)			Examiner Name	H. D. Wilkins	
Sheet	6	of	11	Attorney Docket Number	291958238US	

HW	AN8*	US-5,641,613	06-24-1997	BOFF ET AL.	
•	AO8*	US-5,650,082	07-22-1997	ANDERSON	
	AP8*	US-5,651,823		PARODI ET AL.	
	AQ8*	US-5.658,387		TIMOTHY J. REARDON	
-	AR8*	US-5,660,472		PEUSE ET AL.	
	AS8*	US-5,660,517		THOMPSON ET AL.	
	AT8*	US-5,662,788		GURTEJ SANDHU	
	AU8*	US-5,664,337		DAVIS ET AL.	
	AV8*	US-5,670,034		KENNETH J. LOWERY	
	AW8*	US-5,676,337		GIRAS ET AL.	
	AX8*	US-5,677,118		SPARA ET AL.	
	AY8	US-5,678,320		THOMPSON ET AL.	
	AZ8*	US-5,681,392		EUGENE A. SWAIN	
<u> </u>	AA9*	US-5,683,564		REYNOLDS	
	AB9*	US-5,684,654		SEARLE ET AL.	
	AC9*	US-5,684,713		ASADA ET AL.	
	AD9*	US-5,700,127		JUNJI HARADA	
\vdash	AE9*	US-5,711,646		UEDA ET AL.	
	AF9*	US-5,723,028		JAIME PORIS	
	AG9*	US-5,731,678	03-24-1998		
	AH9*	US-5,744,019	04-28-1998		
	AI9*	US-5,746,565	05-05-1998		
	AJ9*	US-5,747,098	05-05-1998		
	AK9*	US-5,754,842		MINAGAWA	
	AL9°	US-5,755,948		LAZARO ET AL.	
	AM9*	US-5,759,006		MIYAMOTO ET AL.	
	AN9*	US-5,762,751		MARTIN C. BLECK	
	AO9*	US-5,765,444		PAUL BACCHI	
_	AP9*	US-5,765,889	06-16-1998		
	AQ9*	US-5,776,327		BOTTS ET AL.	
	AR9*	US-5,785,826		ALEX GREENSPAN	
		US-5,788,829		JOSHI ET AL.	
		US-5,802,856		SCHAPER ET AL.	
		US-5,829,791		KOTSUBO ET AL.	
	AV9*	US-5,843,296		GREESPAN	
		US-5,871,626		DOUGLAS E. CRAFTS	
	AX9*	US-5,871,805		JEROME LEMELSON	
	AY9*	US-5,882,498		VALERY DUBIN	
		US-5,892,207		KAWAMURA ET AL.	
		US-5,904,827	05-18-1999		
		US-5,908,543		TAKASHI MATSUNAMI	
	· - · ·	US-5,925,227		KOBAYASHI ET AL.	
		US-5,932,077		H. VINCENT REYNOLDS	
		US-5,937,142		MOSLEHI ET AL.	
			09-28-1999		
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	AFA*	US-5,957,836			red

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INF	ORMATI	ON DISC	CLOSURE	Filing Date	December 5, 2003	
			PLICANT	First Named Inventor	John L. Klocke	
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IN	FORMATIC	ON DISC	LOSURE	Filing Date	December 5, 2003	
S	TATEMENT	BY AP	PLICANT	First Named Inventor	John L. Klocke	
		,		Art Unit	1745	
	(Use as many	sheets as nec	essary)	Examiner Name	H. D. Wilkins	
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Substitute for form 1449/OFFTO	Application Number	10/729,357-Conf. #8259
INFORMATION DISCLOSURE	Filing Date	December 5, 2003
STATEMENT BY APPLICANT	First Named Inventor	John L. Klocke
	Art Unit	1745
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INF	ORMATIC	ON DIS	CLOSURE	Filing Date	December 5, 2003	
			PPLICANT	First Named Inventor	John L. Klocke	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(e)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gog or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, it indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. * Applicant is to place a check mark here if English language Translation is attached.

Examiner	Date
Signature	Considered

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C-1-	Substitute for form 1449A/B/PTO			Complete if Known		
Sub	stitute for form 1449A	B/F10		Application Number	10/729,357-Conf. #8259	
IN	IFORMATI	ON DISC	CLOSURE	Filing Date	December 5, 2003	
STATEMENT BY APPLICANT				First Named Inventor	John L. Klocke	
·				Art Unit	1745	
	(Use as man	y sheets as ne	cessary)	Examiner Name	H. D. Wilkins	
Sheet	11	of	11	Attorney Docket Number	291958238US	

			NON PATENT LITERATURE DOCUMENTS	
				_
Examiner Initials (Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
		CA	CONTOLINI ET AL., "Copper Electroplating Process for Sub-Half-Micron ULSI Structures," VMIC Conference 1995 ISMIC - 04/95/0322, pgs 322-328, June 17-29, 1995	
		СВ	DEVARAJ et al., "Pulsed Electrodeposition of Copper," Plating & Surface Finishing, Pgs 72-78, August 1992	
7		CC	DUBIN, "Copper Plating Techniques for ULSI Metallization," Advanced MicroDevices	<u> </u>
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^{&#}x27;Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Harry Wilkins/	Date Considered	10/27/2006

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Complete if Known Substitute for form 1449A/B/PTO 10/729,357-Conf. #8259 Application Number INFORMATION DISCLOSURE Filing Date December 5, 2003 STATEMENT BY APPLICANT First Named Inventor John L. Klocke Art Unit 1742 (Use as many sheets as necessary) H. D. Wilkins Examiner Name 1 🖟 291958238US of 1 Attorney Docket Number Sheet

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Number-Kind Code ² (if known)			Figures Appear	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Country Code ³ -Number ⁴ -Kind Code ⁶ (if known)	Date MM-DD-YYYY	Applicant of Cited Document		Į ™
HW		JP-03-103840	11-04-1992	Uemura		
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